Compu-DAWN

Software Solutions for Public Safety.

A Fully Integrated Information Management System.



Our Mission

- To be the premier provider of Software Solutions and Communications Technology for Public Safety.
 - **♦** Law Enforcement
 - **♦** Fire
 - ◆ EMS



The U.S. Market

- The U.S. Market 21,860 police departments
- 35,690 fire departments
- All EMS and other public safety agencies

Fewer than 20% are computerized



High Tech Cops

Bringing the resources of headquarters to patrol cars

Computer and Software Technology

- + Wireless Communication
- = Reduced Crime

Source: Mobile Officer - July 1995



ALECS 2000 Modules

Billing Modules

- Alarms
- Parking/Mobile Violations



Records Management System

Civil Warrants



Photo Imaging/ Mug Shots System



CIC Interface

Enhanced 911 Interface



Computer Aided Dispatch

Mapping Interface

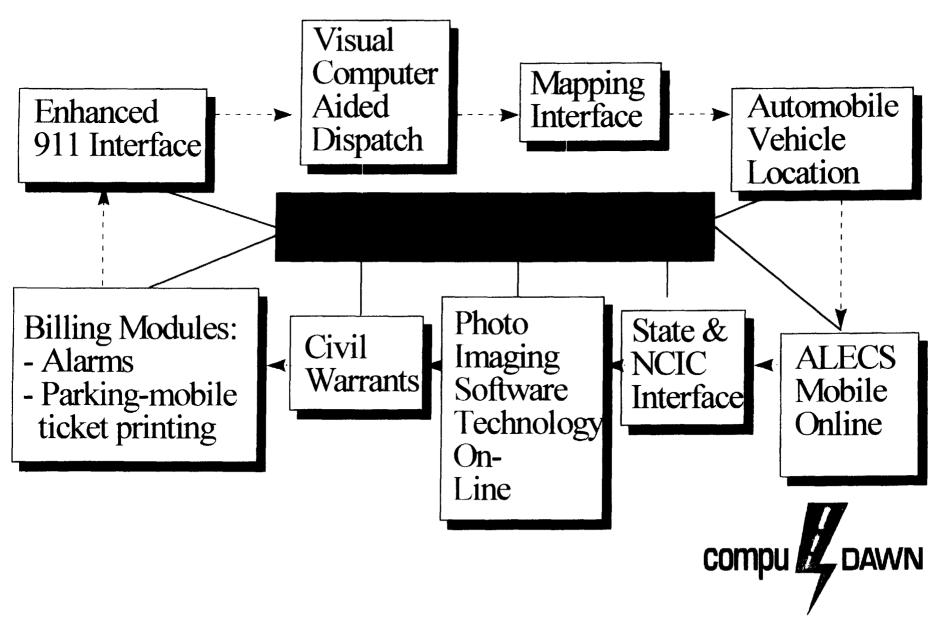


Automobile Vehicle Location

ALECS Mobile Online (AMO)

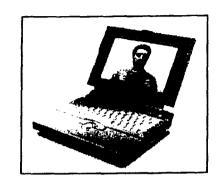
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ALECS 2000TM Modules



ALECS 2000TM

Advanced Law Enforcement Computer Solutions



- State-of-the-art software solutions designed for public safety
- 14+ modules
- All modules interface with existing systems.
- Modules can be combined to form fully integrated solutions.



ARMS

Advanced Records Management System

- Organizes, processes and retrieves data in *real-time*.
- Provides information to field personnel so they can make informed decisions and quick responses.
- Information includes: person's history, location history, warrants, hazards, firearm permits, orders of protection, alarm/emergency contacts, property registration, etc.



E-911 Interface

- Imports caller's name, number and location data from the telephone company.
- Retrieves any historical information on the caller or the location.
- Increased accuracy, decreased key strokes, decreased response time and increased safety.



VCAD

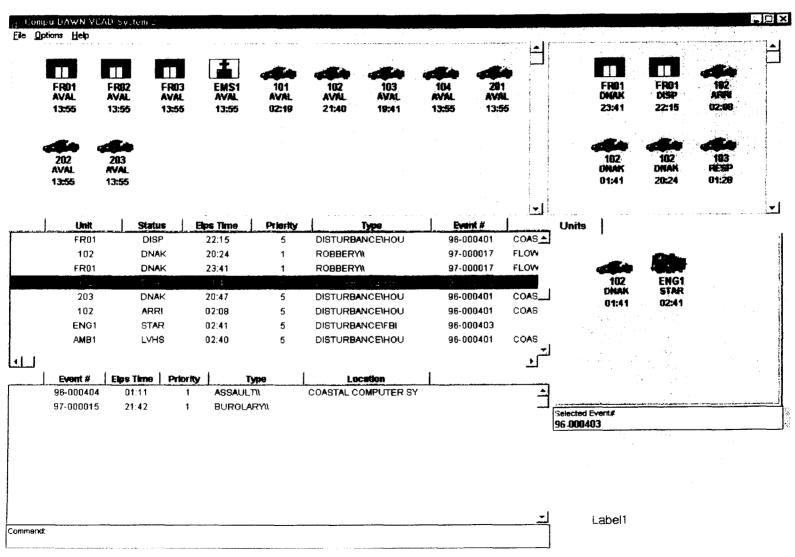
Visual Computer Aided Dispatch

- Identifies available units.
- Assists the dispatcher in assigning resources promptly.
- Obtains information from database.
- Provides the nearest cross streets, hydrant locations, etc.
- Date/time/event numbers automatically stamped.
- Checks hazard, warrant, firearm permit, alarm, order of protection and history from databases.
- Gives call back number.
- Touch screen, full color and user friendly.



V-CAD

Visual Computer Aided Dispatch



VCAD

Visual Computer Aided Dispatch

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|-----------------------------------|-------------------------|-----------------------------|---|----------------------|-----------------------|---------------------|---------------------|
| K101 AVAL 13:28 | K102 AVAL 13:28 | 11 AVAL 13:28 | 13 AVAL 13:28 | 31 AVAL 13:28 | 32 AVAL 13:28 | 12 AVAL 13:28 | 13 AVAL 13:28 |
| K103 AVAL 13:28 | | 17 AVAL 13:28 | 26 AVAL 13:28 | .33 AVAL 13:28 | 3161 AVAL 13:28 | 50 AVAL 13:28 | |
| NEW NEW | | | | <u> </u> | | | |
| Evnt # | Date: 11/18/96 | Time: How Rece 1328 E911 | | | = | | |
| Location: TOM'S BAKEF | | Cross Stre | | | ! | | |
| Address: | Street: FIRST STREET | | Apt Number: | | | | |
| City, Town, Village CARMEL |): | Agend | cy: Plate.≢: IM <u>▼</u> | State: | | | |
| Event Type for Pol | lice: | | Priority | Police | | | ك |
| E911 Desc. For Police T | ype: | | <u> </u> | Fire | | | |
| Name: JOEL SMITH | | | Role CALLER | F | | | |
| Address | Street FIRST STREET | F | Apt #: AC: 914 | Phone: 432-7096 | | - | <u></u> |
| City, Town, Village: | | | <u> </u> | State: | | Varnings Notes (H | istory Geoinfo |
| CARMEL | | | | ▼NY ₹ | 년 Eile | <u>H</u> old | E911_1 |
| Command | | | | | <u>C</u> ancel | Mail Pv | E911_2 |
| | | | <u></u> | | | | |

Mapping Interface

- VCAD automatically displays location of event and available units.
- Provides quicker and more effective resource deployment.
- The dispatcher can **zOOM** the map to give greater details to responding units.
- Locations of various past events can be displayed providing crime analysis.



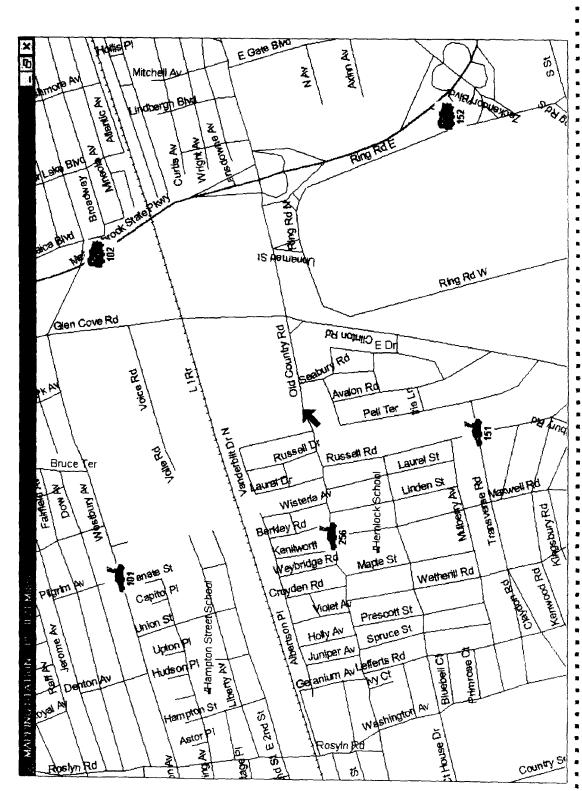
AVL

Automatic Vehicle Location

- Automatically transmits location of vehicles and event to headquarters where they are tracked visually.
- Gives management and dispatchers easy visual representation.
- Provides real-time response of vehicles to an event.
- Increases officer safety and productivity.
- Provides management with enhanced supervisory capabilities.



AVL - Mapping Automatic Vehicle Location



AMO

ALECS Mobile On-line

A Virtual Office in the Car

- All files can be accessed and updated mobile.
- Messages and replies are transmitted as data; provides security and privacy.
- Text to speech and voice recognition commands.
- Photo imaging/mug shot of persons can be transmitted individually or broadcast for rapid distribution.
- DMV, state accident and incident reports can be completed and filed from the field.
- Increased officer safety and time in the field.



Local, State & NCIC Interface

- Interface to crime information databases from all workstations.
- Users are provided menu options for various inquiries: driver's information, criminal history, etc.
- Delivers responses to an AMO laptop, no need for dispatcher intervention, thus providing faster response to in-field requests.
- Frees dispatcher's time, while simultaneously giving Police Officer important information.
- Increases traffic summonses and arrests.



PISTOL

Photo Imaging Software Technology On-Line

Enables capturing images of prisoners, property, accident and crime scenes, etc. and links them instantly to the ALECS database.

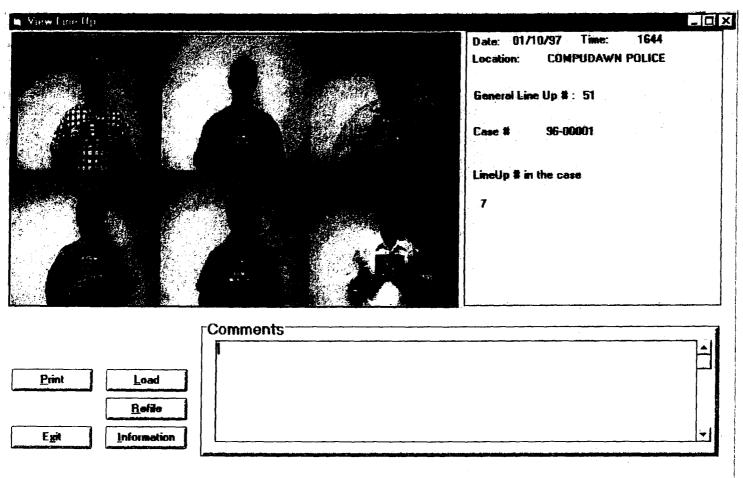


- Utilizing AMO, photos can be transmitted to the laptop computer for identification, searches, etc.
- Photos relating to a specific event can be linked, retrieved, or printed on demand, with field notes attached.
- Searches for match and physical characteristics.
- Automatic photo arrays.
- Decreases crime/impersonation and false I.D. utilization.



PISTOL

Photo Imaging Software Technology On-Line



Civil Warrants

- Fully integrated with ARMS_{TM}.
- Provides listing of warrants by name or number.
- Alerts officer if a person has an outstanding warrant.
- Provides accuracy and saves time resulting in increased revenues.



Billing Modules

False Alarm

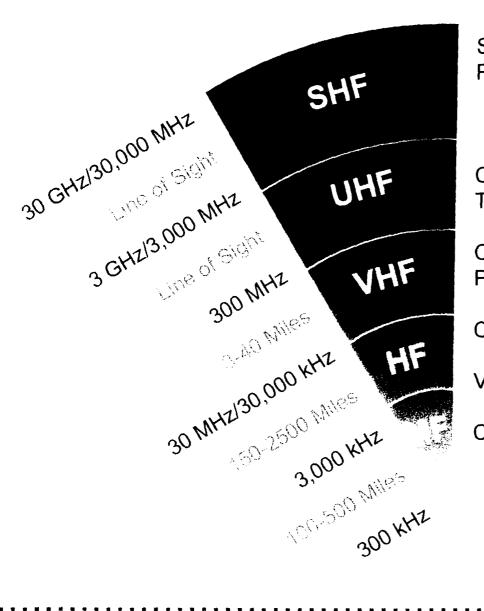
Automates the billing process for false alarms.

Parking/Traffic Violations

- Integrated with the persons file by name and license number.
- Payments and balances are maintained.
- Dunning and scofflaw letters are created.
- Information can be transmitted to the state DMV.
- Increases efficiency and revenue for municipality.



Typical Users of the Spectrum



Satellite Systems (500 MHz) Radars (10- 30 MHz)

Channel 20 506-512 (6 MHz; 6000 kHz) Taxi (25 kHz)

Channel 5 72-86 (6MHz;6000 kHz)
Police, Fire, Ambulance Radio (20 kHz)

Citizens Band Radio (10 kHz)

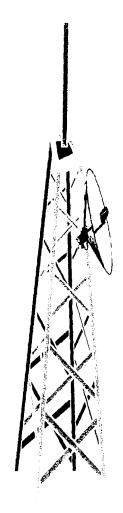
Voice Radio (3kHz)

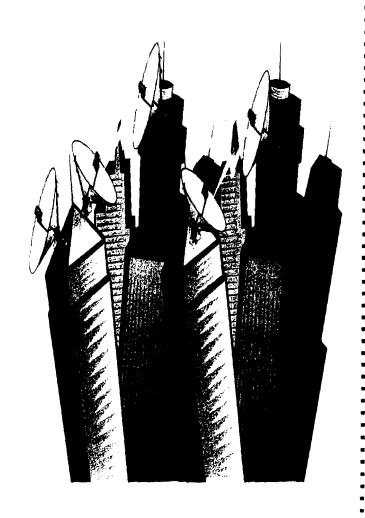
Commercial Broadcast Band (540 - 1600 kHz)



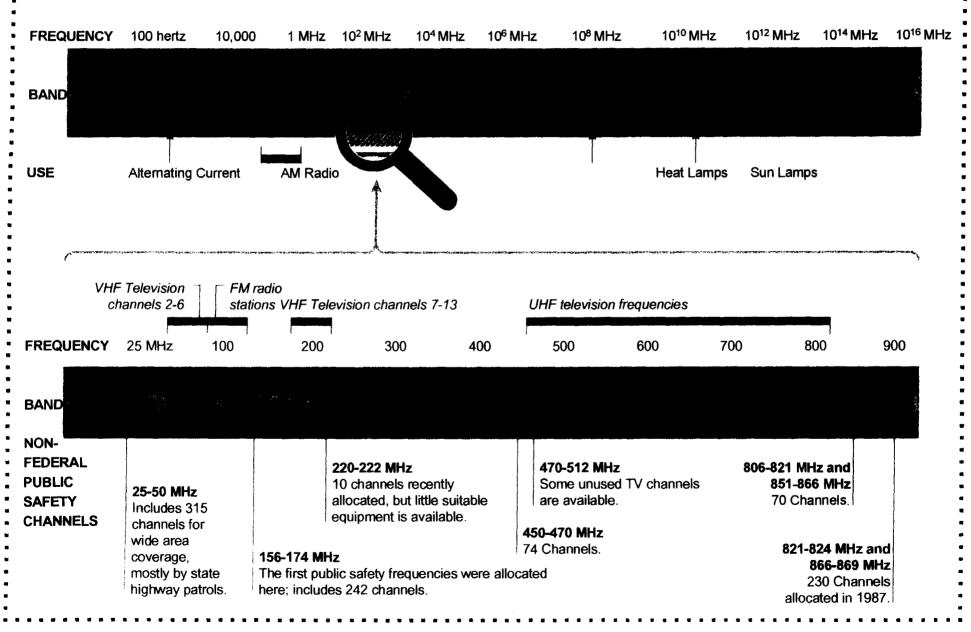
Spectrum Congestion Analysis

- Most Existing Public Safety bands congested; Communication bands are the most cluttered.
- More requests in the Public Safety bands.
- Spectrum Congestion causes huge coordination problem.
- Problems are compounded by sharing within same bands.





Airwaves for Public Safety



Compu-DAWN, Inc. (formerly Coastal Computer Systems, Inc.) is the developer and installer of the ALECS 2000™ suite of Public Safety Solutions. System configurations range from small PC based single and multi-user systems to large PC-LAN or UNIX platforms. Compu-DAWN solutions will be tailored to meet state and other geographic specific reporting and communications requirements.

ALECS 2000The Modules include:

> Records Management System

>ALECS Mobile Online (AMO™)

>E-911 Interface

> Visual Computer Aided Dispatch (VCAD™)

>Mobile Data Communications

>State Information Systems Interface

>Integrated Mapping/AVL

> False Alarm Billing

>PISTOL™ (Photo Imaging System Technology On Line)

> Parking Violations

Mobile Data Communications - AMO™ - ALECS MOBILE ONLINE

This module allows the use of laptop computers in vehicles to communicate with the host computer by way of public or private radio network or CDPD (cellular digital packet data) network. The mobile units can perform all functions as terminals in police headquarters entering or editing data, retrieving current information, etc. Data entered in the laptop is immediately stored in the database, and any information in the database can be immediately displayed on the laptop's screen.

Records Management System

ALECS 2000 ^{nul} records management tools organize information to increase efficiency, aid investigations and improve management control by providing:

- Comprehensive incident-based records system fulfilling state and Federal UCR requirements
- Labor-saving administrative aids help for scheduling, electronic messaging, work assignments and personnel tracking
- System-wide person, property/evidence, vehicle and geo-based address files eliminate the need for duplicating entries from module to module
- Case/Arrest tracks all information related to criminal incidents. Custom inquiries allow selective retrieval of data (patterns, suspects, etc.)